

State of Utah-DFCM
Utah National Guard
Logan Armory Roofing Improvements
Logan, Utah

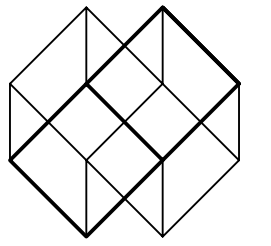
DFCM Contract Number: N/A Project Number: 05041470



State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018



Harold P. Woodruff Architect/Planner
223 East 800 South
Salt Lake City, Utah 84111
Phone: 801-355-8684
Fax: 801-359-3780

CONSULTANTS:

Structural Engineer:
George H. Hansen, Inc.
254 East First South
Salt Lake City, Utah 84111
Phone: 801-519-2111
Mechanical Engineer:
Spectrum
175 South Main Street, Suite 300
Salt Lake City, Utah 84111
Phone: 801-328-5151
Electrical Engineer:
Thomas and Kolkman Engineering
64 West 1700 South
Salt Lake City, Utah 84115
Phone: 801-484-8161

PROJECT TITLE:

Logan Armory-
Roofing
Improvements

OWNER:

State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah

General Notes

- ALL WORK TO BE DONE ACCORDING TO THE REQUIREMENTS OF THE "INTERNATIONAL BUILDING CODE", 2003 EDITION, AND THE FOLLOWING CODES AND STANDARDS:
 - INTERNATIONAL MECHANICAL CODE: 2003 EDITION.
 - NATIONAL ELECTRICAL CODE: 2002 EDITION.
 - INTERNATIONAL PLUMBING CODE: 2003 EDITION.
 - INTERNATIONAL FIRE CODE: 2003 EDITION.
 - INTERNATIONAL FUEL GAS CODE: 2003 EDITION.
- IF CEILINGS/WALLS IN ANY ROOM ARE DAMAGED DUE TO INSTALLATION OF ANY PLUMBING PIPING OR ELECTRICAL CONDUIT, THE CONTRACTOR IS TO PATCH:
 - WHERE PAINTED: TO PATCH CEILINGS TO MATCH EXISTING AND PAINT ENTIRE CEILING WITH A MINIMUM 3 COATS.
- ALL COLORS ARE TO BE REVIEWED WITH THE OWNER/ARCHITECT PRIOR TO ORDERING. SUBMIT SAMPLE OF PREFINISHED METAL COLORS TO ARCHITECT FOR REVIEW.
- CONTRACTOR NOTE: ALL EXISTING CONCRETE WALKS, CURBS AND GUTTERS, SIDEWALKS OR OTHER IMPROVEMENTS INDICATED TO REMAIN ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. IF DAMAGE OCCURS CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE AT HIS EXPENSE.
- ALL DISCONNECTION AND RECONNECTION OF MECHANICAL UNITS FOR GAS, WATER, POWER, ETC., TO BE DONE BY SUBCONTRACTORS LICENSED IN THEIR TRADE. (CONTRACTOR TO FIELD VERIFY PRIOR TO BIDDING).
- BUILDING IS PRESENTLY OCCUPIED AND WILL REMAIN OCCUPIED DURING THE COMPLETION OF THIS CONTRACT. CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK AND TIMES OF ACCESS WITH SGT. JOHN DUNCAN, 1-435-753-9088.
- ALL CONDUITS, PIPING OR DUCTWORK PENETRATING RATED WALLS OR FLOORS TO BE FIRE SEALED.
- ROOF SYSTEM TO BE UNDERWRITERS LABORATORIES INC. (UL) FOR CLASS "A" EXTERNAL FIRE EXPOSURE.
- ASBESTOS CONTAINING MATERIALS, IF ANY HAZARDOUS MATERIALS ARE FOUND OR IF THE GENERAL CONTRACTOR SUSPECTS FINDING HAZARDOUS MATERIALS DURING HIS WORK, STOP ALL WORK IMMEDIATELY. THE GENERAL CONTRACTOR SHALL CALL DFCM WHO IN TURN WILL CONTACT THE ABATEMENT CONSULTANTS TO COME IN AND SAMPLE THE MATERIALS FOR IDENTIFICATION. NO WORK SHOULD CONTINUE UNTIL THE ABATEMENT CONSULTANT HAS CERTIFIED THE AREA TO BE CLEAN OF HAZARDOUS MATERIALS.
- ALL PIPING THRU CONCRETE BLOCK WALLS AND CONCRETE FLOORS TO BE FIRE SEALED AROUND OPENING AND NEW PIPE. ALL PENETRATIONS THRU NON-RATED WALLS TO BE SEALED WITH CAULK.

Consultants

MECHANICAL ENGINEER: SPECTRUM 175 South Main Street, Suite 300 Salt Lake City, Utah 84111 (801) 328-5151	ELECTRICAL ENGINEER: THOMAS AND KOLKMAN ENGINEERING 64 West 1700 South Salt Lake City, Utah 84115 (801) 484-8161
STRUCTURAL ENGINEER: D. GEORGE HANSEN, INC. 254 East First South Salt Lake City, Utah 84111 (801) 519-2111	


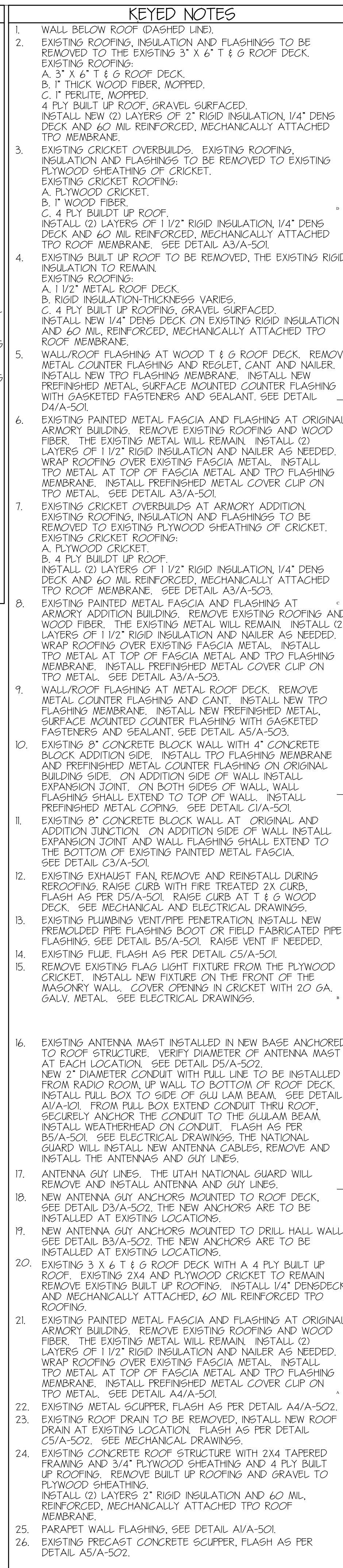
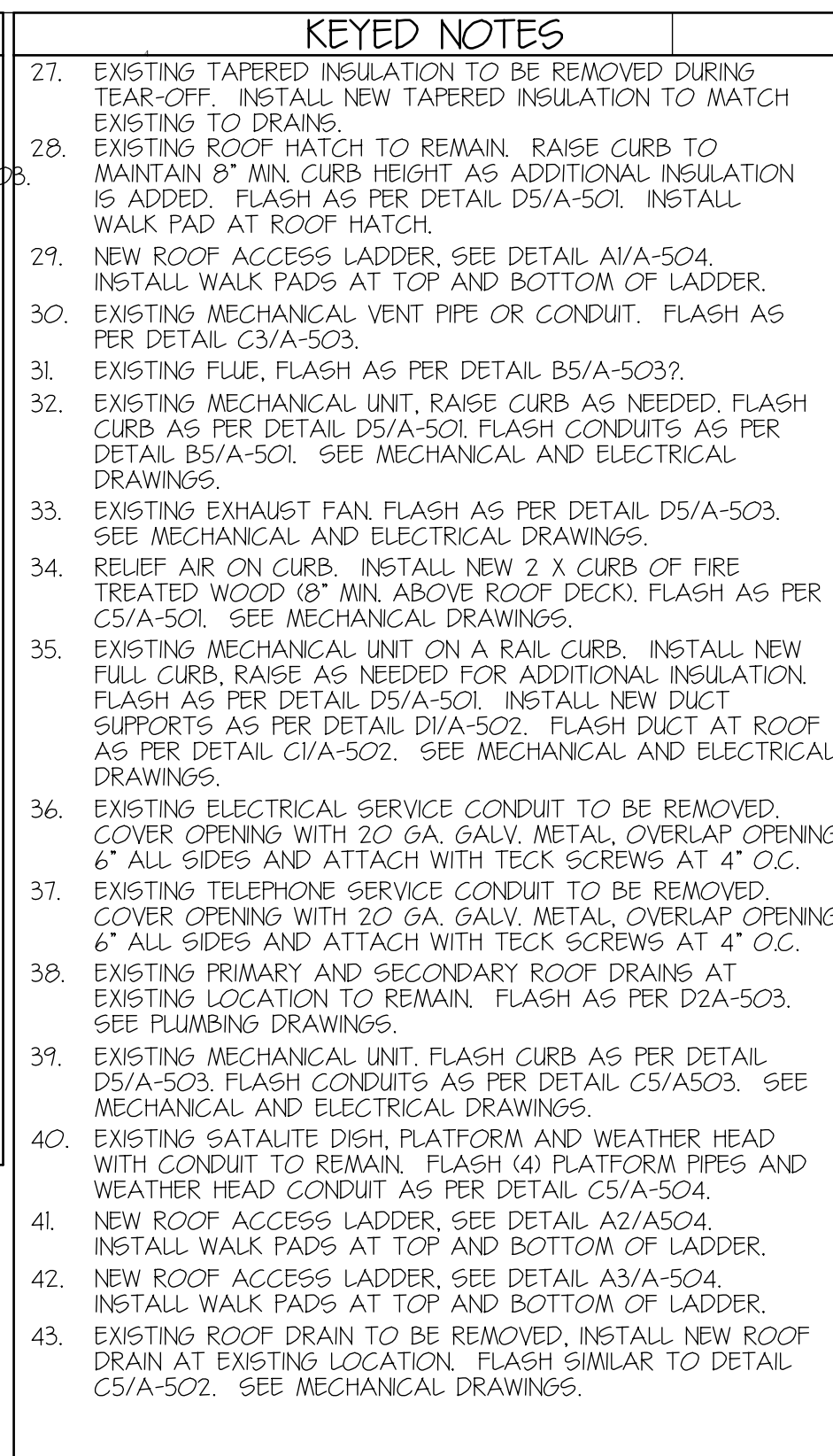
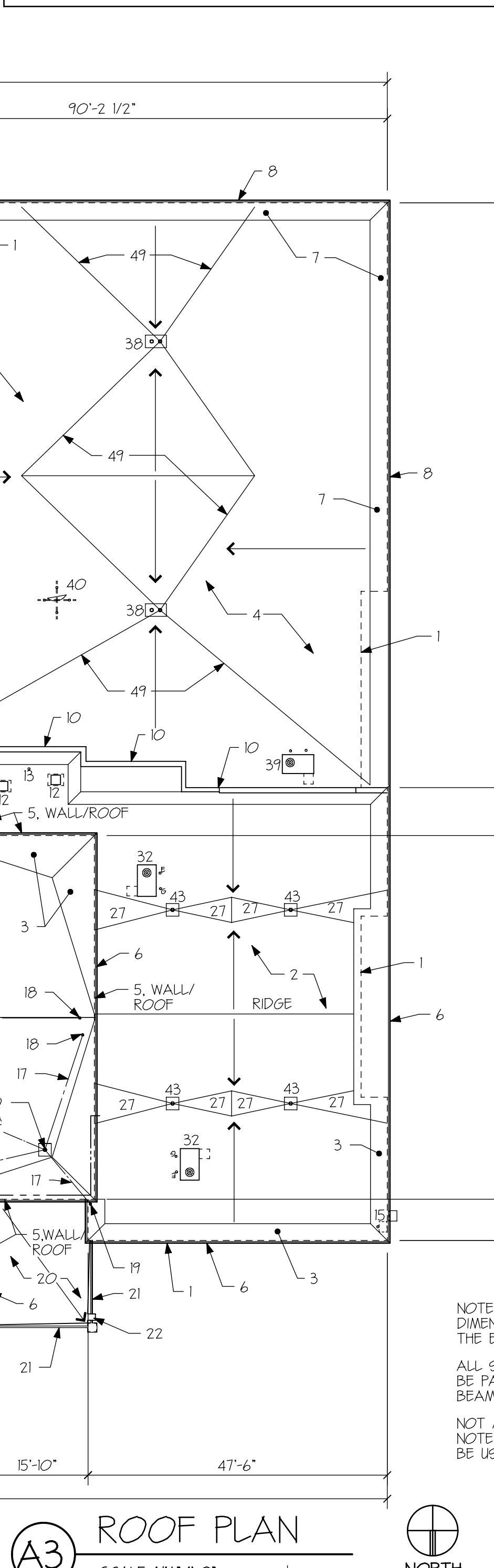
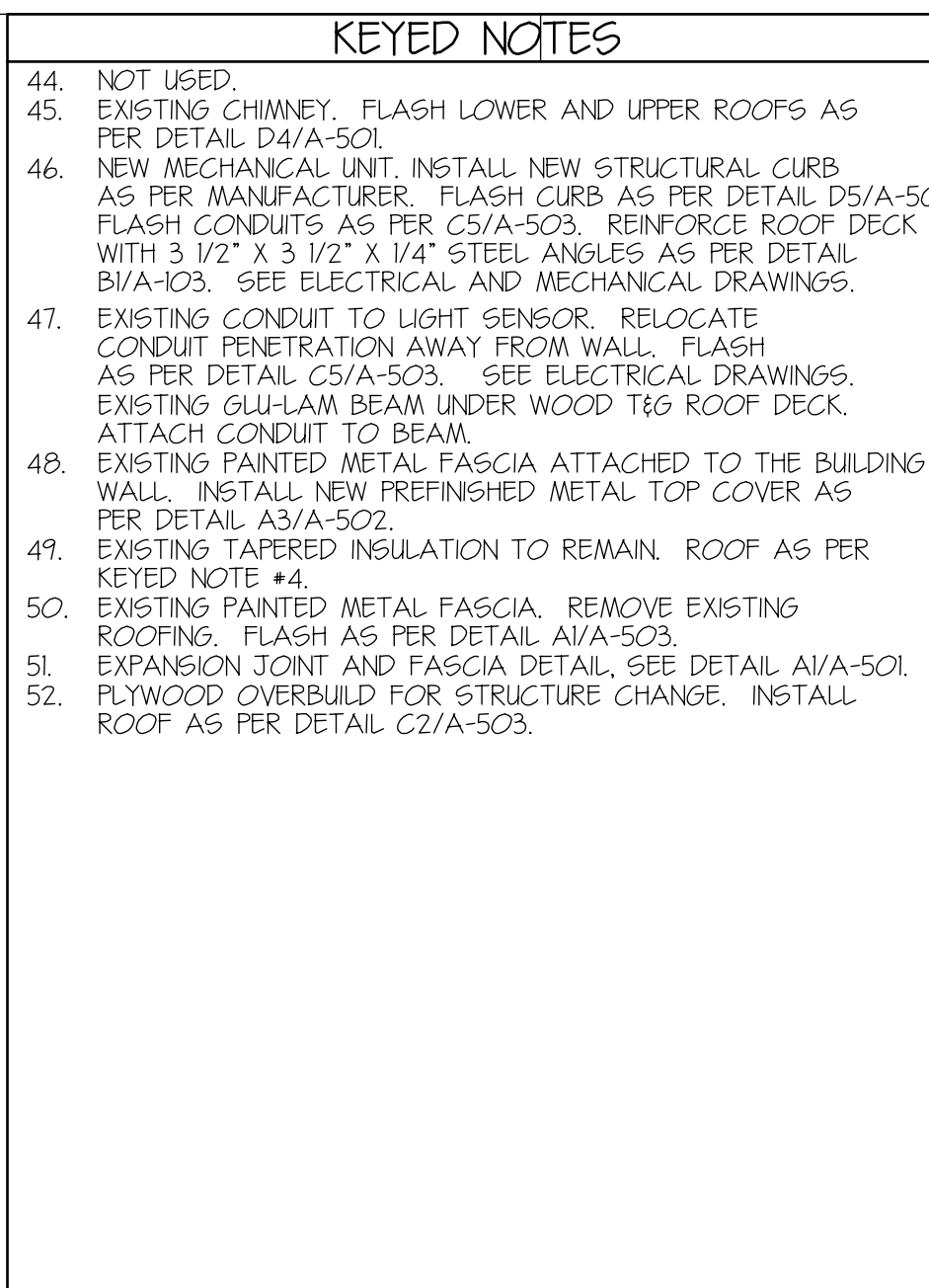
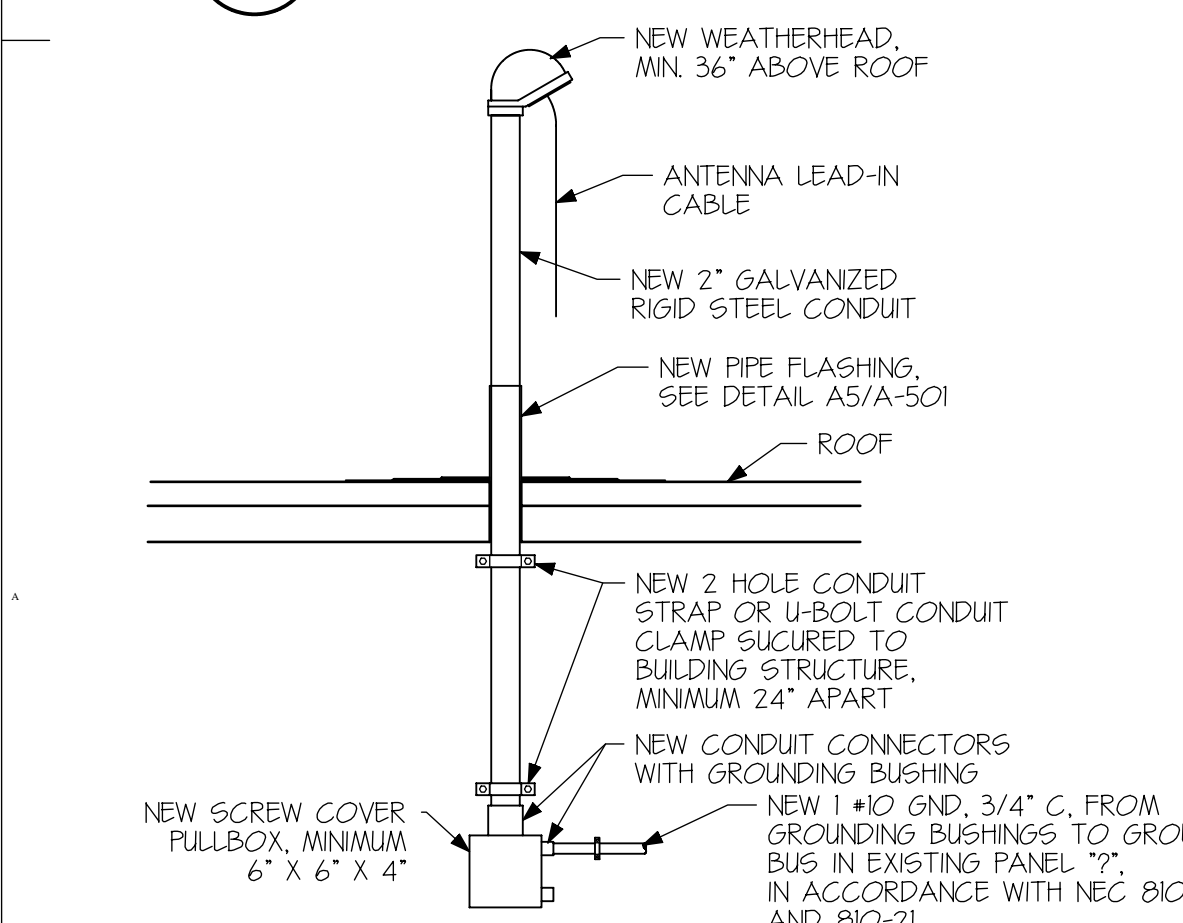
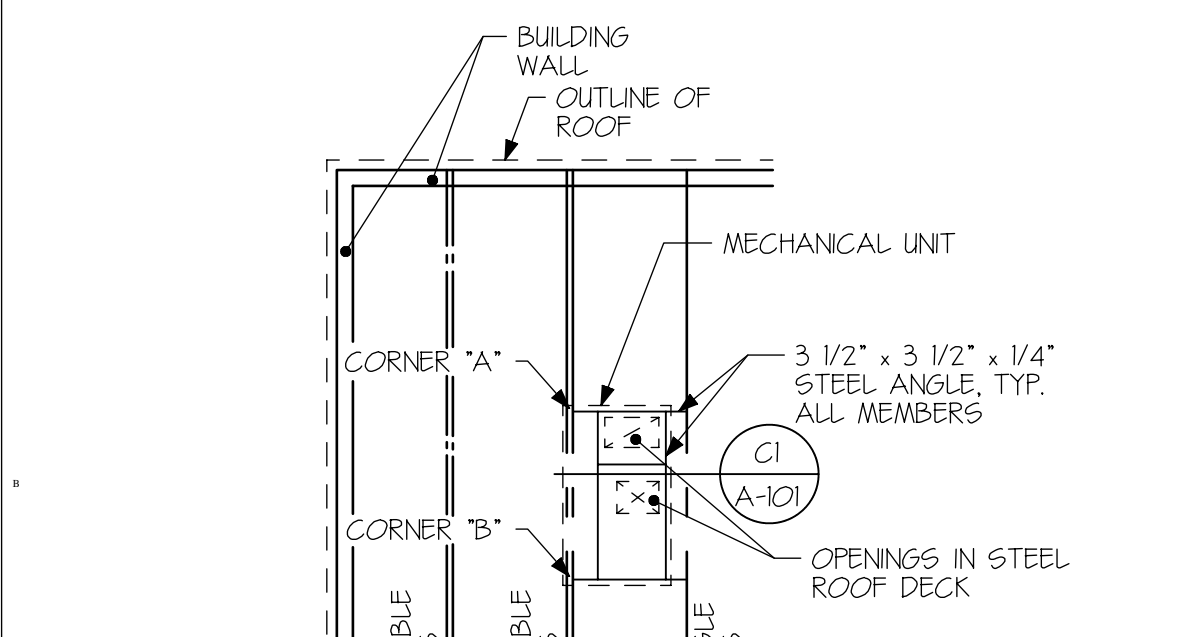
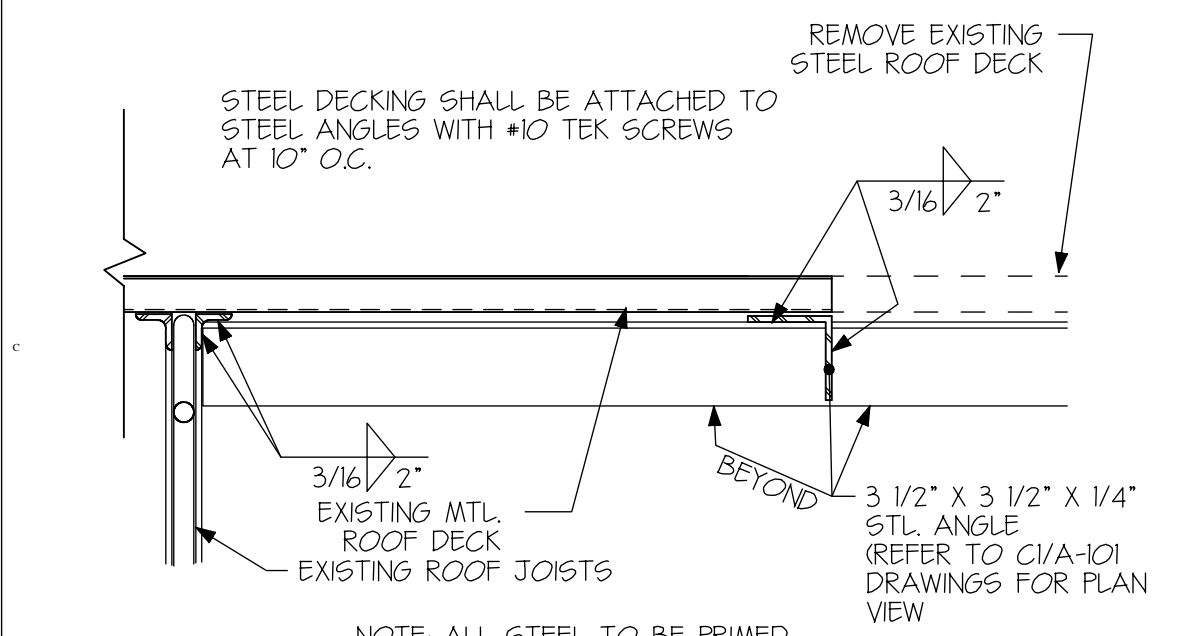
DFCM DESIGN AND CODE CRITERIA

(See A/E/ Attach and fill in applicable data for each drawing submitted)

International Building Code	Year	2003	International Mechanical Code	Year	2003
International Building Code	Year	2003	International Plumbing Code	Year	2003
Planning & Design Criteria to Prevent Architectural Barriers for the Aged and the Physically Handicapped	Year	2002	Uniform Energy Code	Year	2002
	Year	2002	National Electrical Code	Year	2002

A. Occupancy and Group:
Change in Use? Yes ☐ No ☒ Mixed Occupancy? Yes ☐ No ☐

B. Type of Construction: (Circle) F-1, F-2, F-3, F-4, F-5, F-6, F-7, F-8, F-9, F-10, F-11, F-12, F-13, F-14, F-15, F-16, F-17, F-18, F-19, F-20, F-21, F-22, F-23, F-24, F-25, F-26, F-27, F-28, F-29, F-30, F-31, F-32, F-33, F-34, F-35, F-36, F-37, F-38, F-39, F-40, F-41, F-42, F-43, F-44, F-45, F-46, F-47, F-48, F-49, F-50, F-51, F-52, F-53, F-54, F-55, F-56, F-57, F-58, F-59, F-60, F-61, F-62, F-63, F-64, F-65, F-66, F-67, F-68, F-69, F-70, F-71, F-72, F-73, F-74, F-75, F-76, F-77, F-78, F-79, F-80, F-81, F-82, F-83, F-84, F-85, F-86, F-87, F-88, F-89, F-90, F-91, F-92, F-93, F-94, F-95, F-96, F-97, F-98, F-99, F-100, F-101, F-102, F-103, F-104, F-105, F-106, F-107, F-108, F-109, F-110, F-111, F-112, F-113, F-114, F-115, F-116, F-117, F-118, F-119, F-120, F-121, F-122, F-123, F-124, F-125, F-126, F-127, F-128, F-129, F-130, F-131, F-132, F-133, F-134, F-135, F-136, F-137, F-138, F-139, F-140, F-141, F-142, F-143, F-144, F-145, F-146, F-147, F-148, F-149, F-150, F-151, F-152, F-153, F-154, 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Logan Armory-Roofing Improvements

State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah

[illegible]

ROOF PLAN AND DETAILS

A-101



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Logan Armory- Roofing Improvements

State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah

MARK	DATE	DESCRIPTION
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DFCM PROJECT NO: 05041470

CONTRACT NO.: 057471

CAD PROJECT NO: N/A

CAD DWG FILE:	N/A
FILE NAME AND LOCATION OF THE DWG FILE:	0500 - "0500.dwg" - "

ARCH PROJECT FILE: 0500.pj\0500del.dwg
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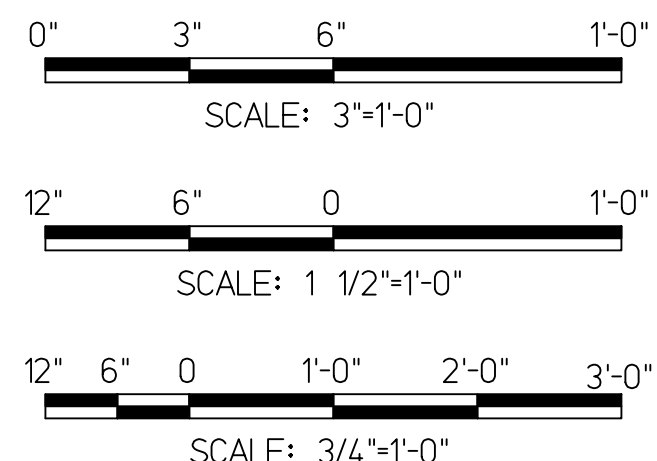
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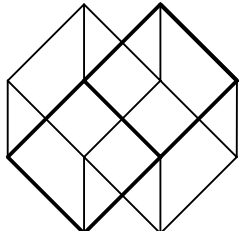
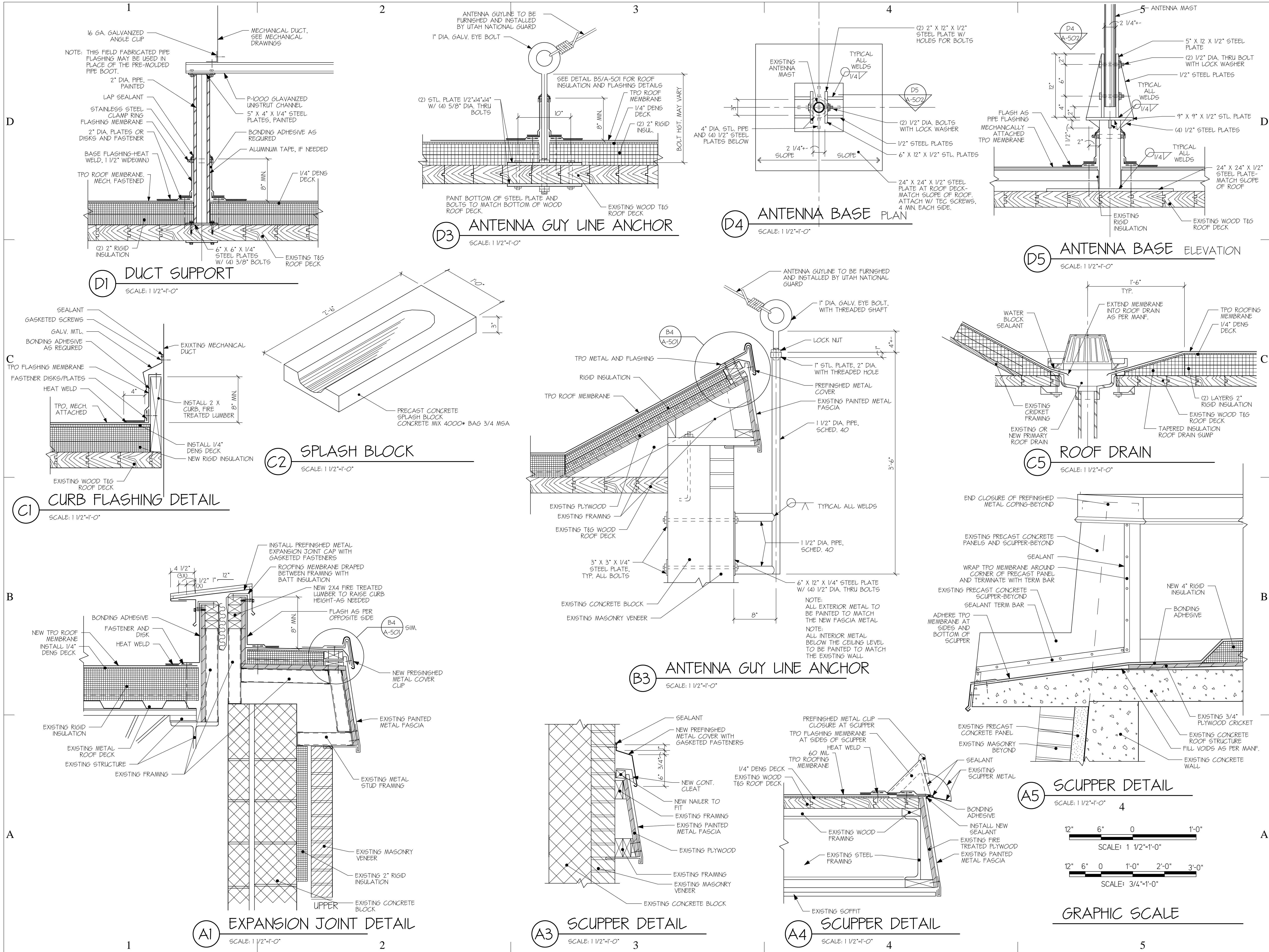
SHEET TITLE

SHEET NUMBER

SHEET 4 OF 9



GRAPHIC SCALE



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PROJECT TITLE:

**Logan Armory-
Roofing
Improvements**

OWNER:

**State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah**

OWNER:

**State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah**

MARK DATE DESCRIPTION
ISSUE TYPE: CONSTRUCTION DOCS.

ISSUE DATE: SEPT. 19, 2005

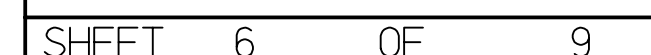
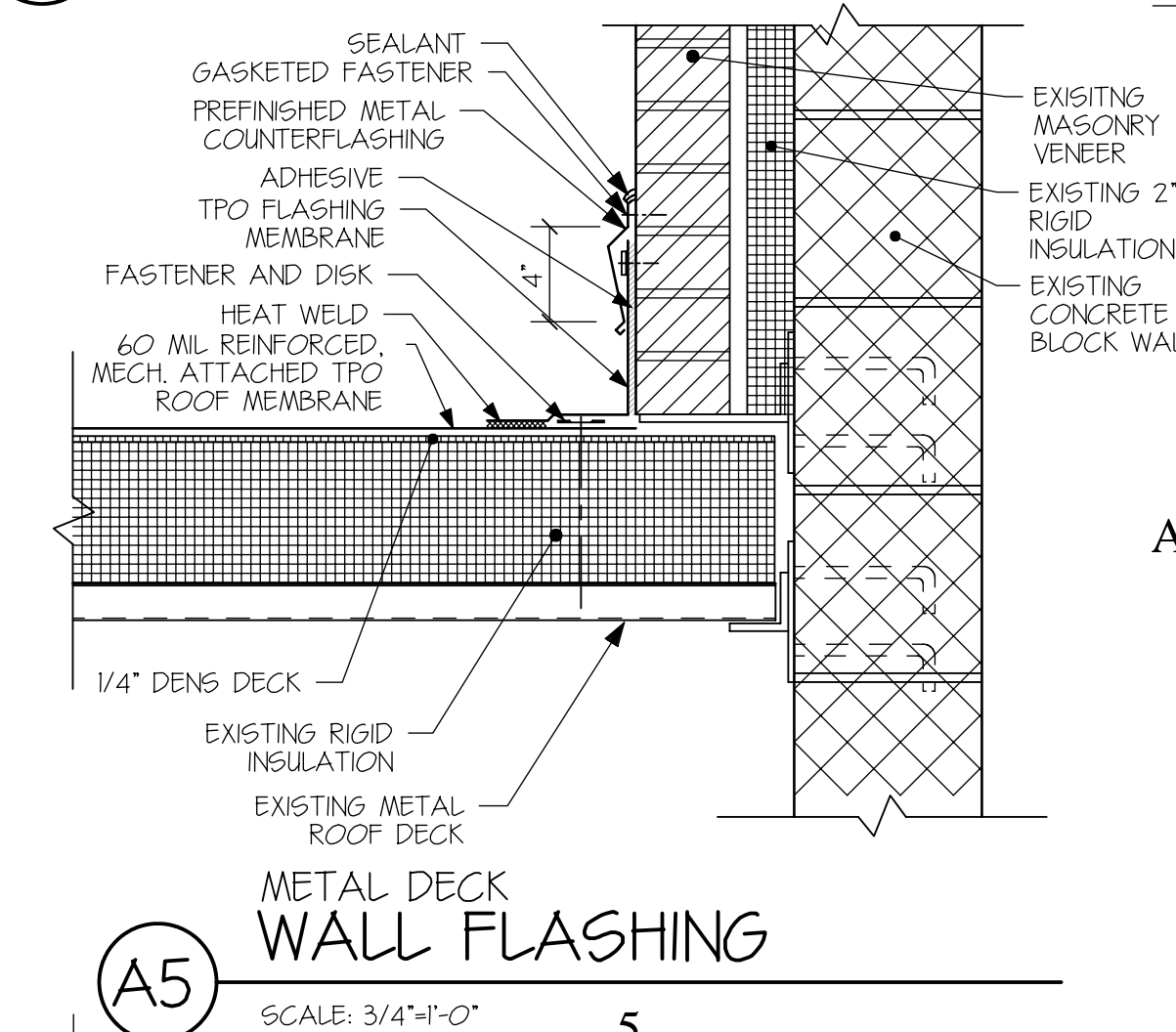
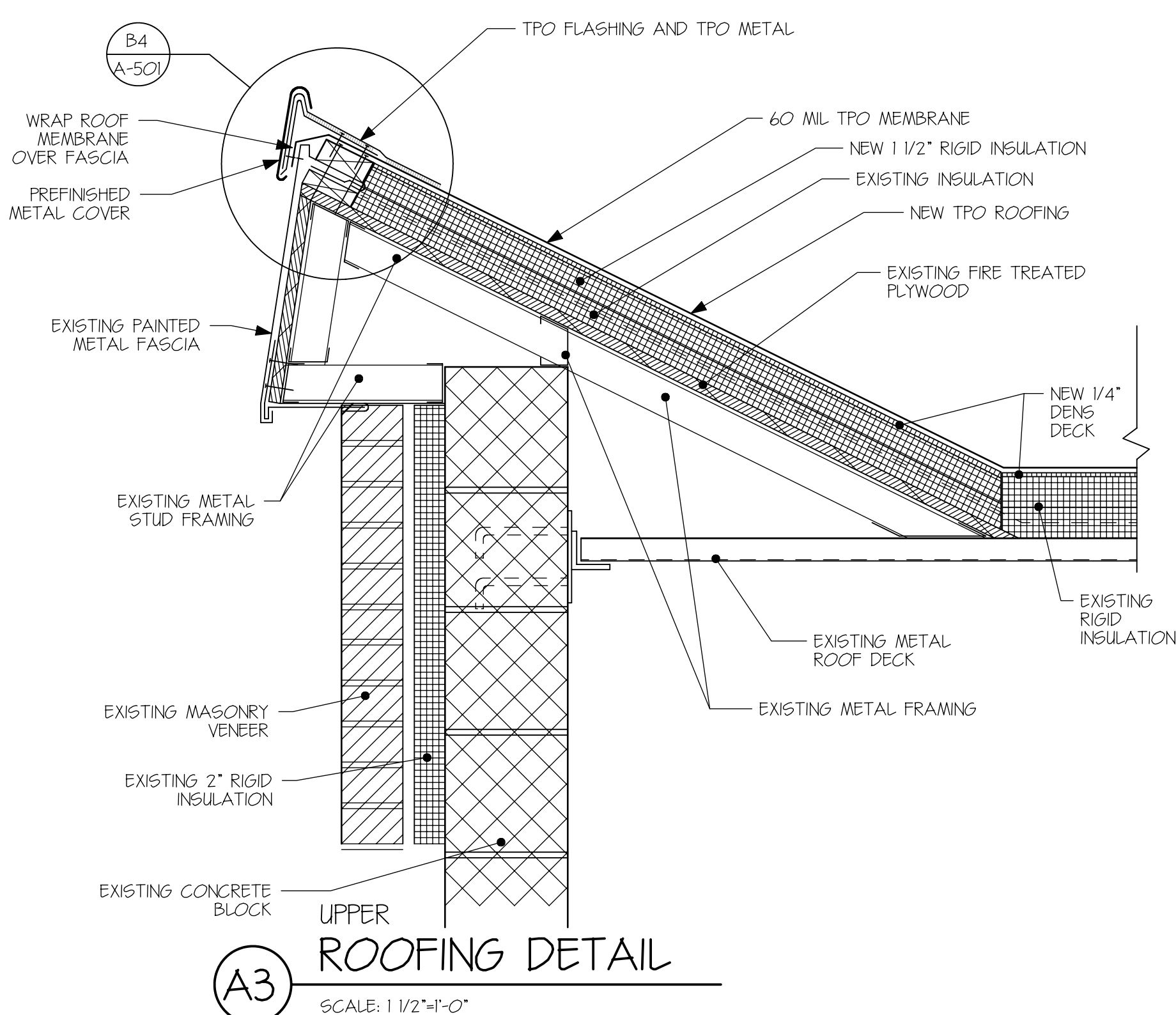
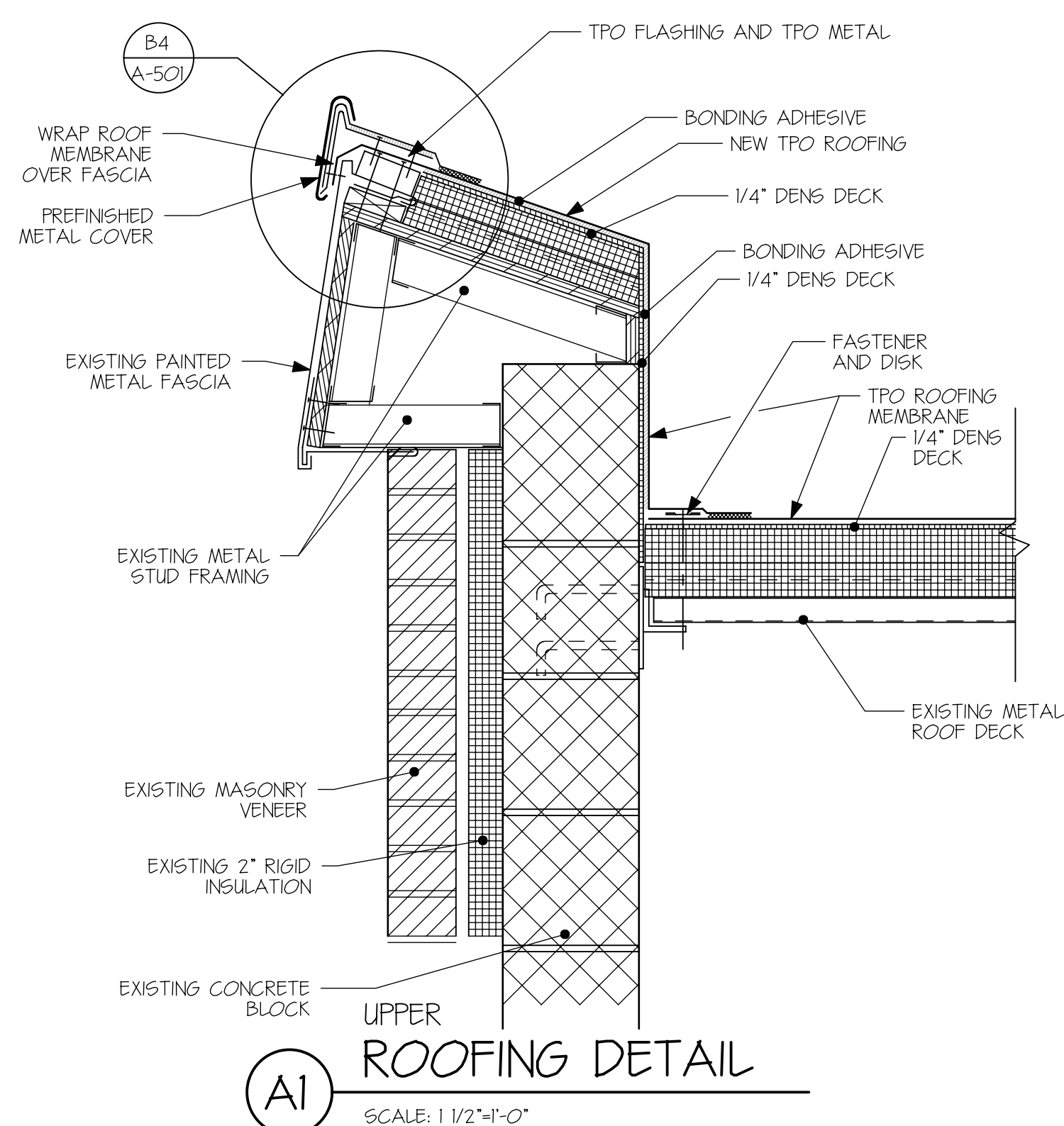
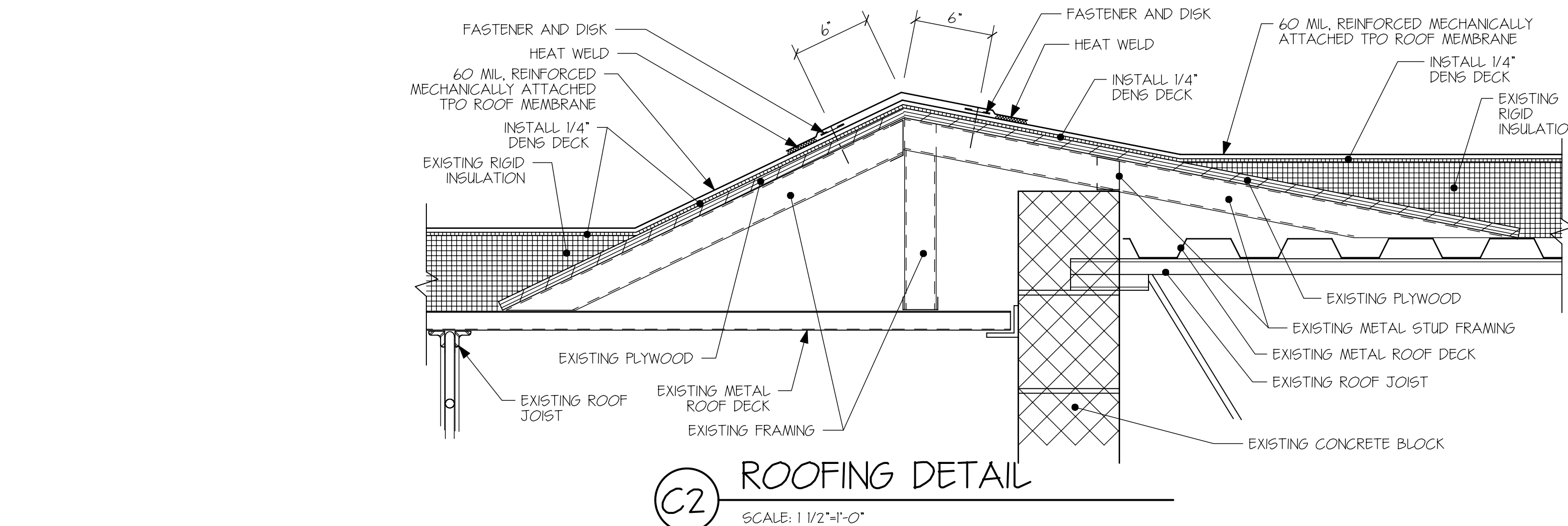
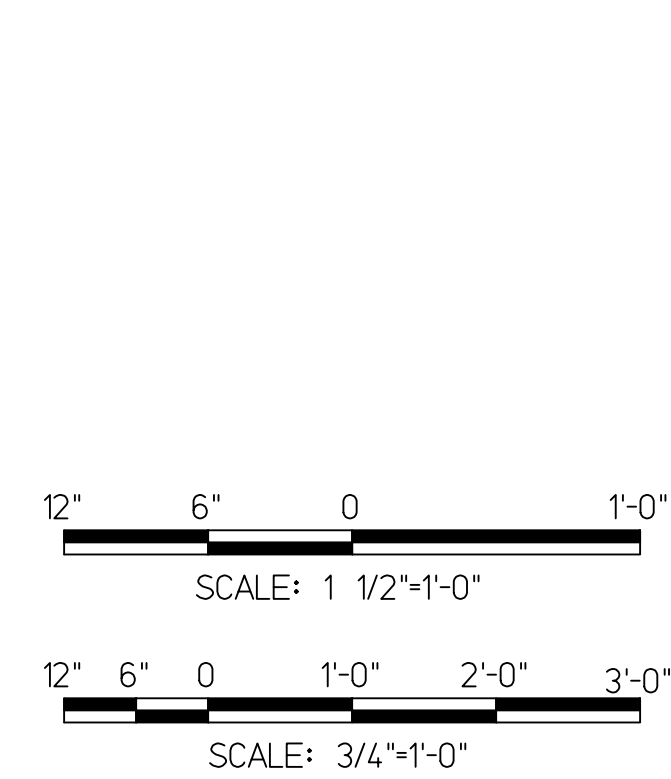
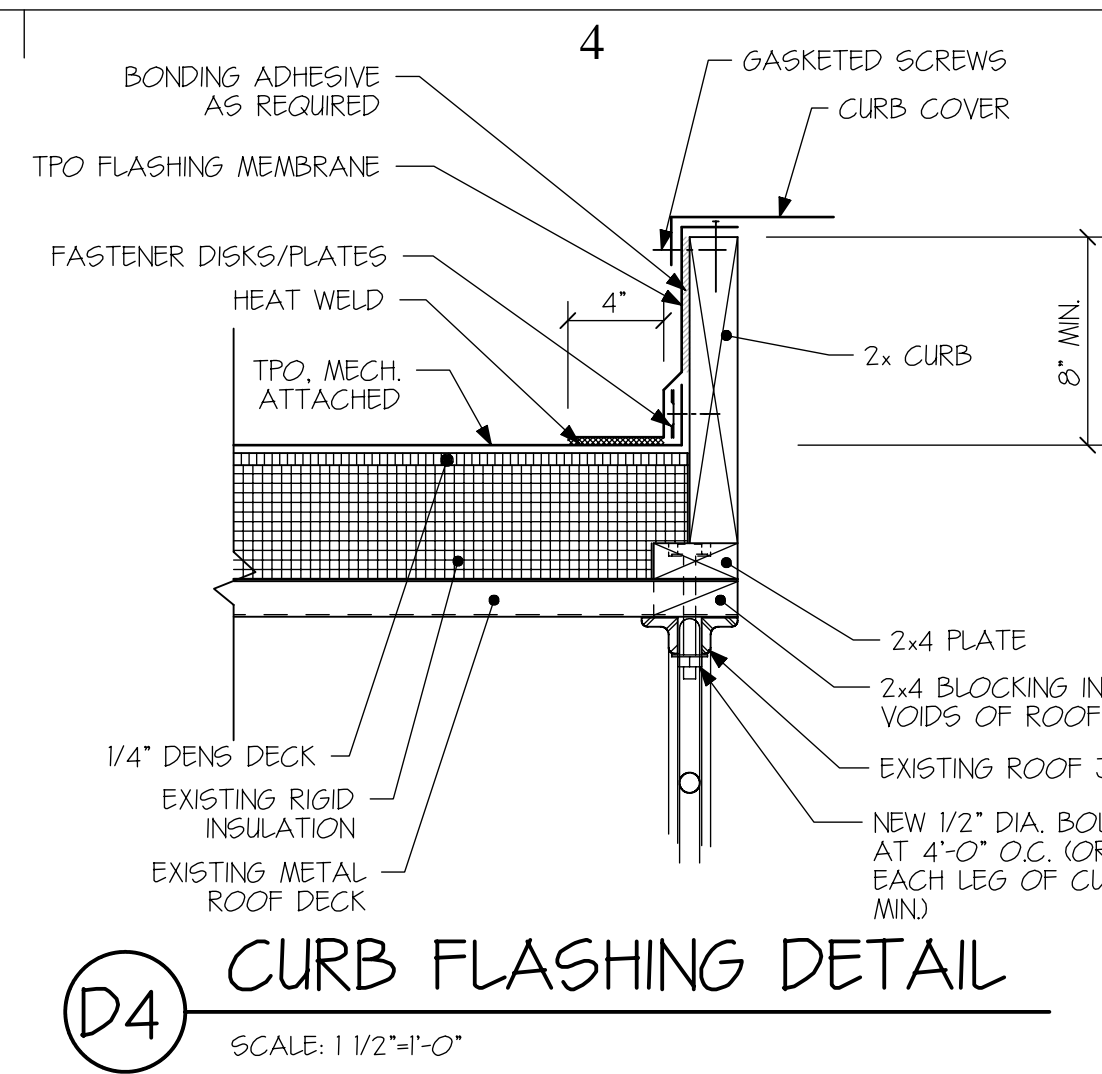
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CONTRACT NO.: 057471
CAD PROJECT NO: N/A
CAD DWG FILE: N/A
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DRAWN BY: D.D.
CHK'D BY: D.D.
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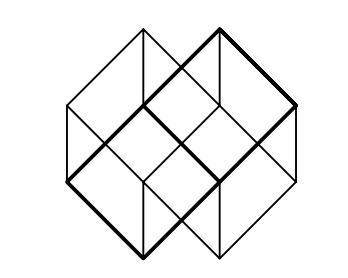
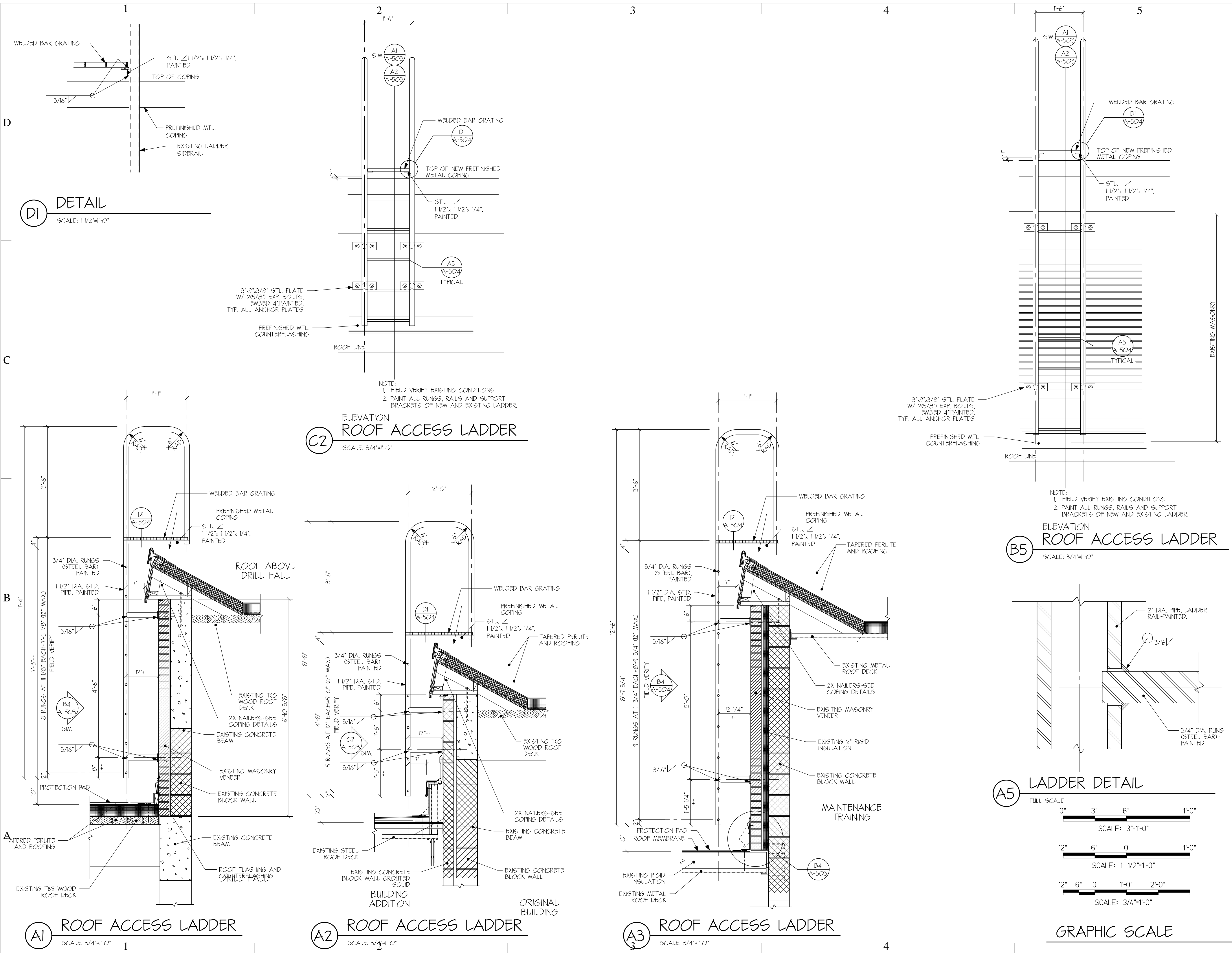
**ROOF
DETAILS**

SHEET NUMBER

A-502

SHEET 5 OF 9





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PROJECT TITLE:

**Logan Armory-
Roofing
Improvements**

OWNER:

**State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah**

MARK	DATE	DESCRIPTION
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ISSUE TYPE: CONSTRUCTION DOCS.

ISSUE DATE: SEPT. 19, 2005

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CONTRACT NO.:	057471
CAD PROJECT NO:	N/A
CAD DWG FILE:	N/A
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DRAWN BY:	D.D.
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SHEET TITLE

DETAILS

SHEET NUMBER

A-504

SHEET 7 OF 9

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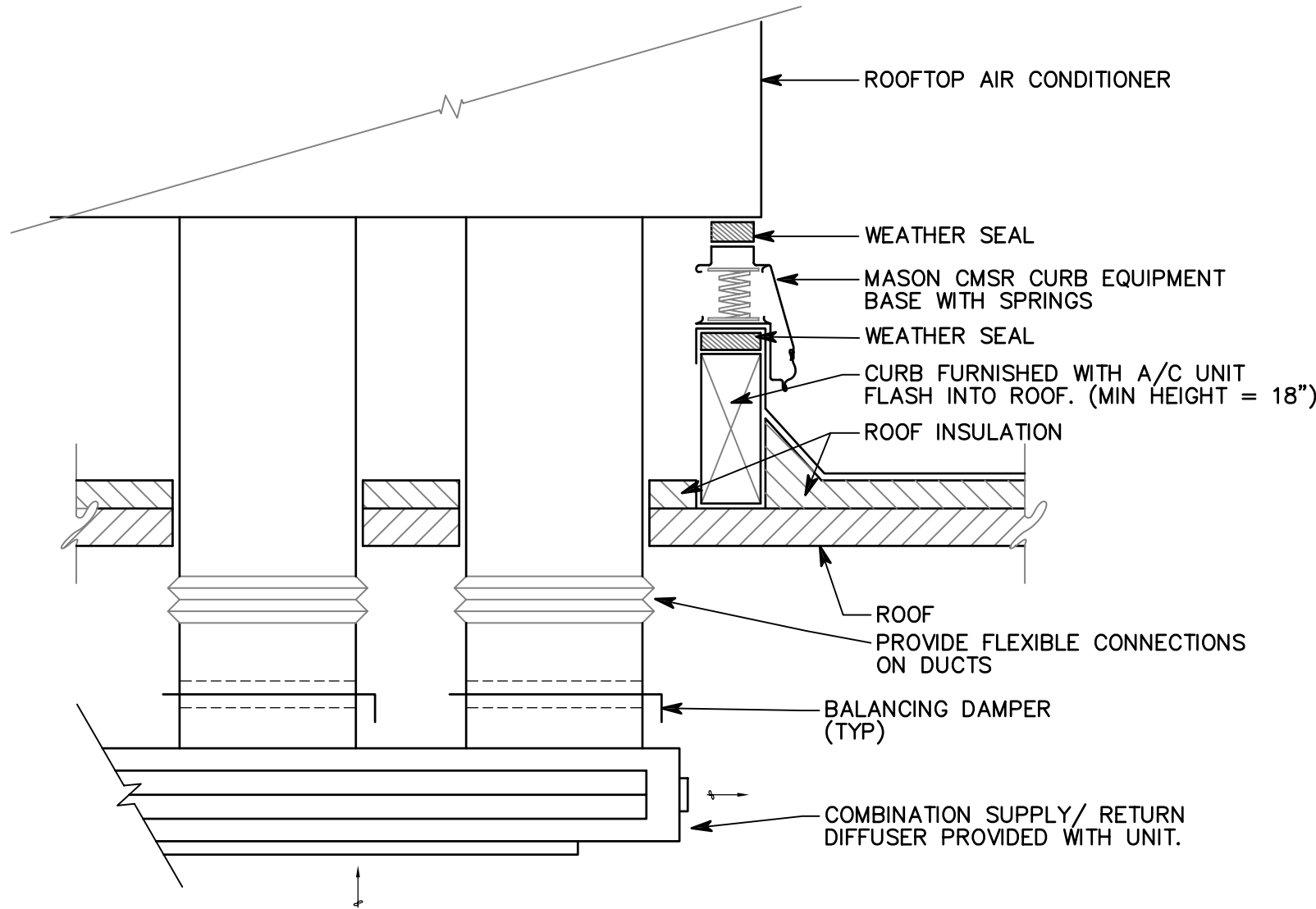
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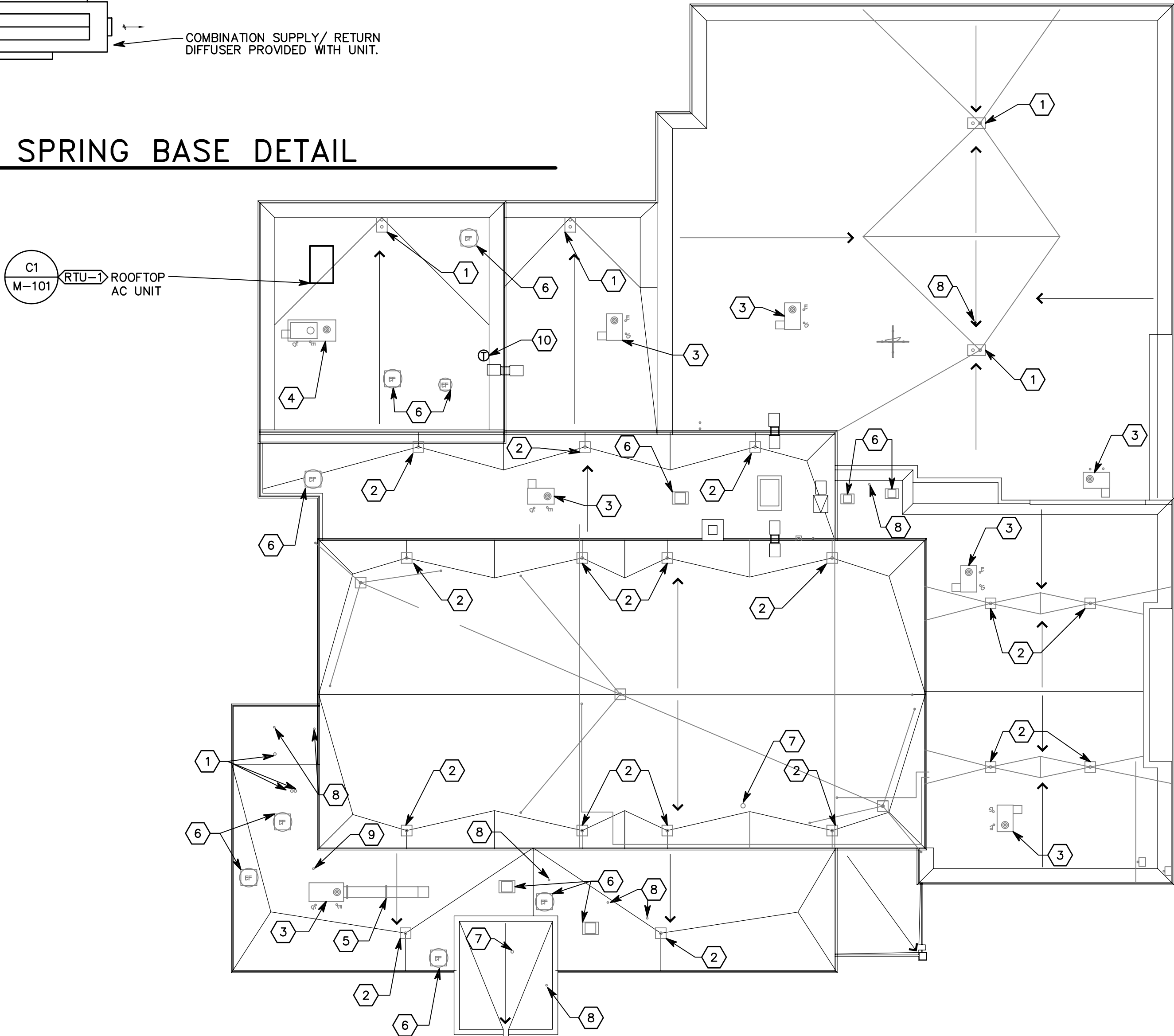
A

ROOFTOP PACKAGE AIR CONDITIONING UNIT SCHEDULE (COOLING ONLY)											
SYMBOL	MANUFACTURER	MODEL NO.	CFM	EXT S.P.	SUPPLY FAN H.P.	COOLING MBH (6)		MIN. OUTSIDE AIR SETTING	ELECTRICAL	UNIT CIRCUIT AMP.	COMMENTS
						SENSIBLE	TOTAL		VOLTS/ PHASE/ CYCLE		
RTU-1	CARRIER	50PG-M05-DD5	1550	1	1	35000	38000	400	208/3/60	25	(1)(2)(3)(4)(5)

- (1) CONDITIONS AT 4500 FEET ELEVATION
(2) COMPLETE WITH ROOF 24" HIGH ROOF CURB
(3) COMPLETE WITH 100% ECONOMIZER AND POWER EXHAUST
(4) COMPLETE WITH COMBINATION SUPPLT/RETURN DIFFUSER ASSEMBLY
(5) PROVIDE NON-POWERED RECEPITAL FOR FIELD INSTALLED CONVENIENCE OUTLET
(6) MINIMUM CAPACITY AT 91 DEG. F DB AMB.; 80 DEG. F DB, 62 DEG F WB ENT AIR TEMP



C1 ROOFTOP UNIT ON SPRING BASE DETAIL
SCALE: NOT TO SCALE



5'-0" 0 5'-0" 10'-0"
SCALE: 1/16"=1'-0"

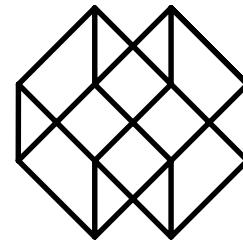
A3 HVAC AND PLUMBING ROOF PLAN
SCALE: 1/16"=1'-0" NORTH

GENERAL NOTES

- FIELD DETERMINE EXACT SIZE, ELEVATION AND LOCATION OF EXISTING PIPING INSIDE THE BUILDING AT SPECIFIED CONNECTION
- POINTS PRIOR TO STARTING ANY WORK.
- SAW CUT OR CORE DRILL ALL NEW PENETRATIONS THRU EXISTING MASONRY CONSTRUCTION.
- PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY NEW CONSTRUCTION TO MATCH EXISTING.
- DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- STEEL ROOF DECK SHALL NOT BE USED TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT, UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED; THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACCROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.

SHEET KEYNOTES

- EXISTING PRIMARY AND SECONDARY ROOF DRAINS. REMOVE AND RE-INSTALL AS REQUIRED FOR NEW ROOFING. REPLACE ANY DAMAGED PARTS CAUSED DURING CONSTRUCTION.
- REPLACE EXISTING PRIMARY ROOF DRAIN WITH NEW PRIMARY ROOF DRAIN. RECONNECT TO EXISTING PIPING.
- REMOVE AND REINSTALL EXISTING ROOFTOP AC UNIT AS REQUIRED FOR NEW ROOFING EXTEND DUCTWORK, WIRING, CONTROLS, AND GAS PIPING AS REQUIRED.
- REMOVE AND REINSTALL EXISTING MAKE-UP AIR UNIT AS REQUIRED FOR NEW ROOFING. EXTEND DUCTWORK, WIRING, CONTROLS, AND GAS PIPING AS REQUIRED.
- REMOVE AND REINSTALL EXISTING EXTERIOR DUCTWORK AS REQUIRED FOR NEW ROOFING, EXTEND DUCTWORK AS REQUIRED.
- REMOVE AND REINSTALL EXISTING EXHAUST FAN AS REQUIRED FOR NEW ROOFING, EXTEND DUCTWORK, WIRING, CONTROLS AND DUCTWORK AS REQUIRED.
- EXTEND EXISTING TYPE "B" FLUE AS REQUIRED TO INSTALL NEW ROOFING.
- EXTEND AND RE-FLASH EXISTING PLUMBING VENT AS REQUIRED TO INSTALL NEW ROOFING.
- EXTEND EXISTING 1½" VENT LINE ABOVE TOP OF MAKE UP AIR UNIT AS REQUIRED TO MEET PLUMBING CODE REQUIREMENTS.
- INSTALL THERMOSTAT ON WALL ADJACENT TO MAKE-UP AIR UNIT CONTROL PANEL. FIELD VERIFY EXACT MOUNTING LOCATION.



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Phone: 801-484-8161

PROJECT TITLE:

**Logan Armory-
Roofing
Improvements**

OWNER:

**State of Utah-DFCM
Utah National Guard
Salt Lake City, Utah**

MARK	DATE	DESCRIPTION
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ISSUE TYPE: CONSTRUCTION DOCS.

ISSUE DATE: SEPT. 19, 2005

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CONTRACT NO:	057471
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ARCH PROJECT FILE	0506.p\0506.db\aro.dr
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SHEET TITLE

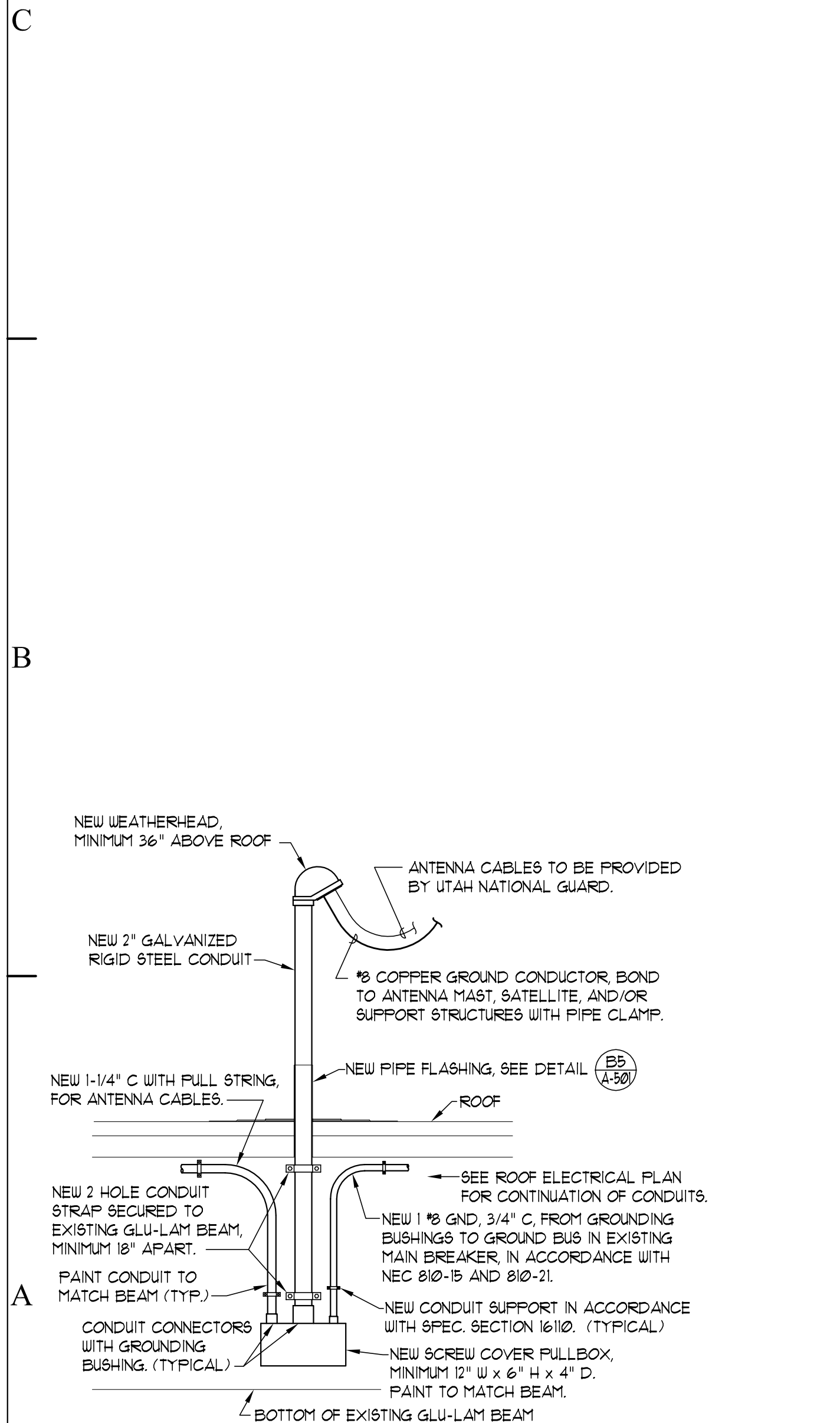
**MECHANICAL ROOF
PLAN**

SHEET NUMBER

M-101

SHEET ? OF 6

SYMBOL LIST	
SYMBOL	DESCRIPTION
	NEW FLOODLIGHT
	EXISTING FLOODLIGHT
	NEW PHOTOCELL
	EXISTING PHOTOCELL
	NEW JUNCTION BOX
	NEW DUPLEX RECEPTACLE
	EXISTING DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
	3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
	NEW BRANCH CIRCUIT CONCEALED ABOVE EXISTING CEILING
	EXISTING BRANCH CIRCUIT
	NEW MOTOR
	EXISTING MOTOR
	EXISTING SINGLE POLE MANUAL MOTOR DISCONNECT SWITCH
	EXISTING SAFETY SWITCH, 'F' INDICATES FUSED, 'NF' INDICATES NON-FUSED
	NEW SAFETY SWITCH, 'F' INDICATES FUSED, 'NF' INDICATES NON-FUSED
	KEYED NOTE SYMBOL
	DETAIL OR SECTION NUMBER DESIGNATED BY SHEET COORDINATES
	SHEET ON WHICH DETAIL OR SECTION IS SHOWN
	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE

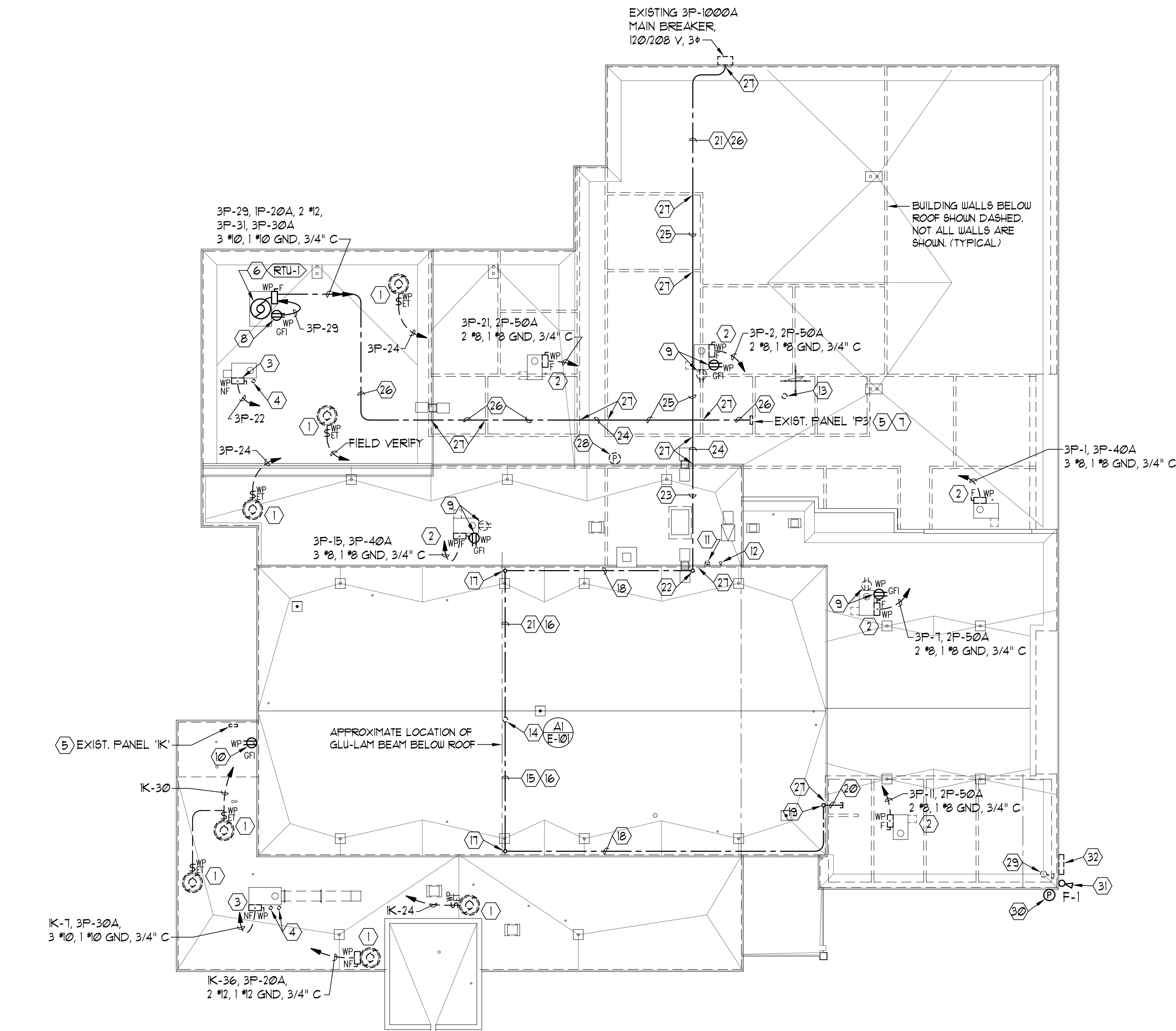


A1 ANTENNA MAST DETAIL
SCALE: 3/4" = 1'-0"

EQUIPMENT SCHEDULE											
EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS H.P.	BREAKER	STARTERS FURNISH/INSTALL	SIZE	AUX. CONT.	LOCATION	
RTU-1	ROOFTOP AC UNIT	F3-31	208	3	22.1 AMPS	3P-30A	M M M	-	-	ON ROOF	

E - ELECTRICAL CONTRACTOR
M - MECHANICAL CONTRACTOR

FIXTURE SCHEDULE				
SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP
F-1	GARDCO LSI INDUSTRIES	DF7-J-NSP-150MH-120-BRP/BD SLS-150MH-MT-SP25-BR2-BD/SLS-WM-BR2	WALL MOUNTED METAL HALIDE "ARCHITECTURAL" FLOODLIGHT WITH CAST ALUMINUM HOUSING, DARK BRONZE FINISH, NARROW SPOT LIGHT DISTRIBUTION, BARN DOOR VISOR, AND 120 VOLT HIGH POWER FACTOR BALLAST. SUITABLE FOR OUTDOOR WET LOCATION, ABOVE HORIZONTAL AIMING.	150 W MH ED-17



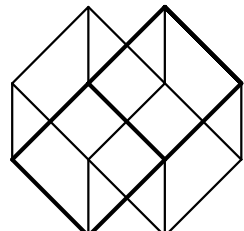
A3 ROOF ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"

GENERAL ELECTRICAL NOTES:

- COORDINATE EXISTING ROOFTOP EQUIPMENT LOCATIONS WITH ARCHITECTURAL ROOF PLAN, SHEET A-101.
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON EXISTING BUILDING ELECTRICAL DRAWINGS AND FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
- DEMOLITION IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
- TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
- REPLACE ALL EXISTING LIQUID-TIGHT FLEXIBLE CONDUIT AT EQUIPMENT CONNECTIONS ON ROOF WITH NEW LIQUID-TIGHT FLEXIBLE STEEL CONDUIT.

KEYED NOTES:

- DISCONNECT ELECTRICAL SERVICE TO EXISTING ROOFTOP EXHAUST FAN TO ALLOW EQUIPMENT REMOVAL AND INSTALLATION OF NEW ROOF. RECONNECT ELECTRICAL SERVICE UPON REINSTALLATION OF EQUIPMENT. EQUIPMENT WILL BE RAISED FOR INSTALLATION OF NEW ROOF. EXTEND EXISTING CONDUIT TO RAISED EQUIPMENT AND PROVIDE NEW CONDUCTORS OF SUFFICIENT LENGTH REQUIRED TO RECONNECT THE EQUIPMENT.
- DISCONNECT ELECTRICAL SERVICE TO EXISTING PACKAGED ROOFTOP HEATING AND COOLING TO ALLOW EQUIPMENT REMOVAL AND INSTALLATION OF NEW ROOF. RECONNECT ELECTRICAL SERVICE UPON REINSTALLATION OF EQUIPMENT. EQUIPMENT WILL BE RAISED FOR INSTALLATION OF NEW ROOF. EXTEND EXISTING CONDUIT TO RAISED EQUIPMENT AND PROVIDE NEW CONDUCTORS OF SUFFICIENT LENGTH REQUIRED TO RECONNECT THE EQUIPMENT.
- DISCONNECT ELECTRICAL SERVICE TO EXISTING ROOFTOP MAKE-UP AIR UNIT TO ALLOW EQUIPMENT REMOVAL AND INSTALLATION OF NEW ROOF. RECONNECT ELECTRICAL SERVICE UPON REINSTALLATION OF EQUIPMENT. EQUIPMENT WILL BE RAISED FOR INSTALLATION OF NEW ROOF. EXTEND EXISTING CONDUIT TO RAISED EQUIPMENT AND PROVIDE NEW CONDUCTORS OF SUFFICIENT LENGTH REQUIRED TO RECONNECT THE EQUIPMENT.
- DISCONNECT AND RECONNECT EXISTING CONTROL CONDUITS AND WIRING TO EXISTING ROOFTOP MAKE-UP AIR UNIT AS REQUIRED FOR ELECTRICAL SERVICE TO THE MAKE-UP AIR UNIT.
- APPROXIMATE LOCATION OF EXISTING 120/208 VOLT, 3 PHASE PANELBOARD, ON MAIN FLOOR BELOW ROOF.
- NEW PACKAGED ROOFTOP AIR CONDITIONING UNIT. PROVIDE NEW FUSED SAFETY SWITCH AND ELECTRICAL SERVICE AS SHOWN. PROVIDE FUSE SIZE IN ACCORDANCE WITH ROOFTOP UNIT NAMEPLATE. FIELD COORDINATE ROUTING OF NEW CONDUIT THROUGH BUILDING WITH EXISTING CONDITIONS.
- PROVIDE NEW GENERAL ELECTRIC TYPE "THQB", 3P-30A, 22 KAIC, BRANCH CIRCUIT BREAKER IN EXISTING PANEL 'F3' TO SERVE NEW ROOFTOP UNIT. REMOVE (3) 1P-20A SPARE BREAKERS TO INSTALL NEW BREAKER AND SALVAGE BREAKERS FOR OWNER. PROVIDE NEW TYPEWRITTEN CIRCUIT INDEX TO REFLECT CIRCUIT CHANGES AND ADDITIONS.
- PROVIDE NEW RECEPTACLE AT NEW ROOFTOP UNIT AND CONNECT TO SPARE 1P-20A BREAKER IN EXISTING PANEL 'F3' AS INDICATED.
- REMOVE EXISTING RECEPTACLE MOUNTED IN ROOF CURB INCLUDING OUTLET BOX AND CONDUIT TO BELOW ROOF. PROVIDE NEW RECEPTACLE MOUNTED ON EXISTING ROOFTOP UNIT, MINIMUM 24" ABOVE ROOF, AND CONNECT TO EXISTING RECEPTACLE CIRCUIT.
- REPLACE EXISTING RECEPTACLE WITH NEW GFCI RECEPTACLE AND "RAINTIGHT WHILE IN USE" COVERPLATE IN EXISTING OUTLET BOX. RECONNECT EXISTING CIRCUIT.
- REMOVE ABANDONED 3" ELECTRICAL SERVICE CONDUIT COMPLETE TO ABANDONED CT CABINET IN MECHANICAL ROOM BELOW. REPAIR ROOF AS REQUIRED FOR NEW ROOFING. REPAIR MECHANICAL ROOM CEILING AS REQUIRED TO MATCH SURROUNDING SURFACES.
- REMOVE ABANDONED 1-1/2" TELEPHONE SERVICE CONDUIT COMPLETE. CONDUIT IS CUT OFF IN CEILING SPACE BELOW ROOF. REPAIR ROOF AS REQUIRED FOR NEW ROOFING.
- EXISTING WEATHERHEAD MAST FOR EXISTING SATELLITE DISH TO REMAIN.
- PROVIDE NEW WEATHERHEAD MAST AS SHOWN ON DETAIL A/E-101 FOR EXISTING ANTENNA. EXISTING ANTENNA CABLES ARE TO BE REMOVED AND REINSTALLED BY UTAH NATIONAL GUARD. CONTRACTOR TO REPAIR EXISTING WINDOW FRAME AND INTERIOR WALLS AS REQUIRED TO MATCH SURROUNDING SURFACES WHERE CABLES ARE REMOVED.
- NEW 1-1/4" CONDUIT WITH FULL STRING FOR NEW ANTENNA CABLES FROM NEW ANTENNA MAST TO EXISTING OFFICE.
- INSTALL NEW CONDUIT EXPOSED ON SIDE OF EXPOSED BEAM, PAINT TO MATCH BEAM.
- TURN CONDUIT DOWN TO BOTTOM OF GLU-LAM BEAM.
- INSTALL CONDUIT HORIZONTALLY NEAR BOTTOM OF EXPOSED GLU-LAM, PAINT TO MATCH WALL.
- TURN CONDUIT DOWN TO APPROXIMATELY 10 FT ABOVE FLOOR. PROVIDE CONDUIT BODY AND EXTEND CONDUIT THROUGH EXISTING WALL INTO ACCESSIBLE CEILING SPACE OF EXISTING OFFICE. PAINT CONDUIT TO MATCH WALL.
- TERMINATE ANTENNA CONDUIT WITH INSULATED BUSHING IN ACCESSIBLE CEILING SPACE OF EXISTING OFFICE. VERIFY EXACT LOCATION WITH UTAH NATIONAL GUARD.
- NEW #8 GROUND, 3/4" CONDUIT FROM NEW ANTENNA MAST TO EXISTING MAIN BREAKER.
- TURN CONDUIT DOWN TO BELOW MECHANICAL ROOM CEILING, APPROXIMATELY 12 FT ABOVE FLOOR. PROVIDE CONDUIT BODY AND EXTEND CONDUIT THROUGH EXISTING WALL INTO MECHANICAL ROOM. PAINT CONDUIT TO MATCH WALL.
- INSTALL CONDUIT EXPOSED ON MECHANICAL ROOM CEILING.
- INSTALL NEW CONDUIT CONCEALED ABOVE EXISTING GYPSUM BOARD CEILING.
- INSTALL NEW CONDUIT CONCEALED ABOVE EXISTING ACOUSTICAL GRID CEILING.
- INSTALL CONDUIT THROUGH EXPOSED STRUCTURE, PAINT TO MATCH PAINTED STRUCTURE.
- DRILL AND FIRE SEAL EXISTING MASONRY WALL FOR NEW CONDUIT PENETRATION. SEE DETAIL D/A-101.
- EXISTING PHOTOCELL MOUNTED ON PARAPET WALL ABOVE ROOF TO REMAIN. RELOCATE EXISTING 3/4" CONDUIT THROUGH ROOF TO BE CLEAR OF WALL FLASHING AND RECONNECT EXISTING CIRCUIT. NOTE GYPSUM BOARD CEILING IN CORRIDOR BELOW ROOF. COORDINATE REQUIREMENTS WITH ROOFING CONTRACTOR AND ARCHITECT.
- REMOVE EXISTING FLAGPOLE FLOODLIGHT, PHOTOCELL, AND CONDUIT THROUGH ROOF. INTERCEPT EXISTING CIRCUIT IN NEW JUNCTION BOX IN ACCESSIBLE CEILING SPACE BELOW ROOF AND EXTEND CIRCUIT TO NEW PHOTOCELL, NEW FIXTURE, AND EXISTING LIGHTED SIGN.
- PROVIDE NEW INTERMATIC #4121 OR EQUAL PHOTOCELL RATED 1800 WATTS, 120 VOLT, TO CONTROL NEW F-1 FIXTURE AND EXISTING LIGHTED SIGN. INSTALL 12" BELOW ROOF, FACING NORTH.
- PROVIDE NEW F-1 FIXTURE 12" BELOW TOP OF EXTERIOR WALL AND AIM TO ILLUMINATE EXISTING FLAGPOLE. RECONNECT TO EXISTING CIRCUIT THROUGH NEW PHOTOCELL.
- EXISTING EXTERIOR LIGHTED SIGN TO REMAIN. RECONNECT TO EXISTING CIRCUIT THROUGH NEW PHOTOCELL.



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ROOF ELECTRICAL PLAN AND DETAILS

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SHEET 9 OF 9